



# **STAY OUT-STAY ALIVE**

## **Mines are Not Playgrounds!**

# Mines are Everywhere

- There are about **14,000** active mines in the U.S.
- There are as many as **500,000** abandoned mines in the U.S.

# MINING: A Vital Part of Our Economy Since the 1800s



# The Early Years







# Even Children Worked in the Mines



# Mining Still Important Today





**Advances in  
Technology**



# MONSTER TRUCKS!



# MINERALS GO A LONG WAY IN A LIFETIME

Every American Born Will Need ...



**3 1/2 million pounds of minerals, metals, and fuels in a lifetime**

# WHERE DO WE FIND MINERALS?



# ACCIDENTS CAN HAPPEN ...



# MINING CAN BE HAZARDOUS







**SOMETIMES...  
HAPPY ENDINGS!**

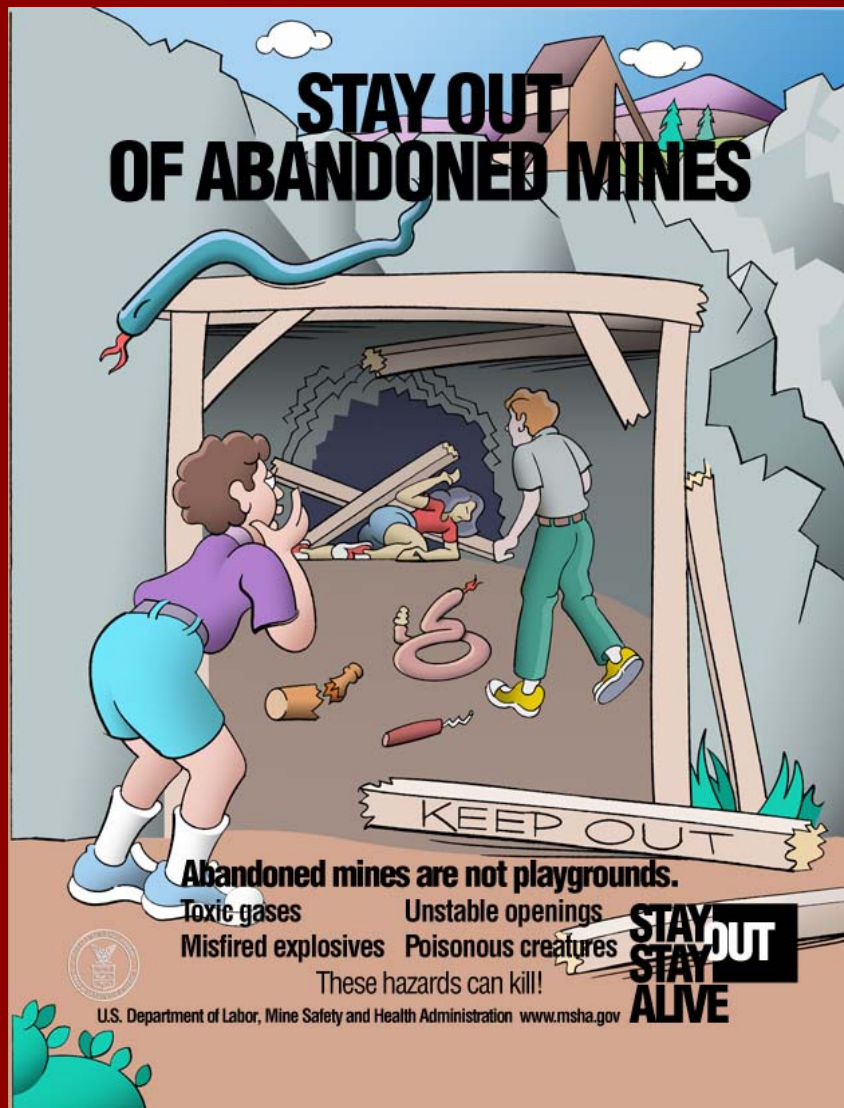




**MINERS:  
OUR MOST  
PRECIOUS**







Each year, dozens of people are injured or killed in accidents that occur at active and abandoned mines.

# DEADLY NUMBERS

- ❖ 2004 - 35 deaths
- ❖ 2003 - 28 deaths
- ❖ 2002 - 31 deaths
- ❖ 2001 - 32 deaths
- ❖ 2000 - 29 deaths

In the last five years, **128** people have died in recreational activities on mine property.

# TYPES OF ACCIDENTS

- Falls into mine shafts, over highwalls
- Overturned equipment
- Drownings
- Asphyxiation
- Electrocution



# THE HEADLINES

- "Indiana teenager drowns in quarry"

*Chicago Tribune*

- "Accident on ATV kills Kentucky boy"

*Associated Press*

- Brothers die while diving in old mine"

*Los Angeles Times*

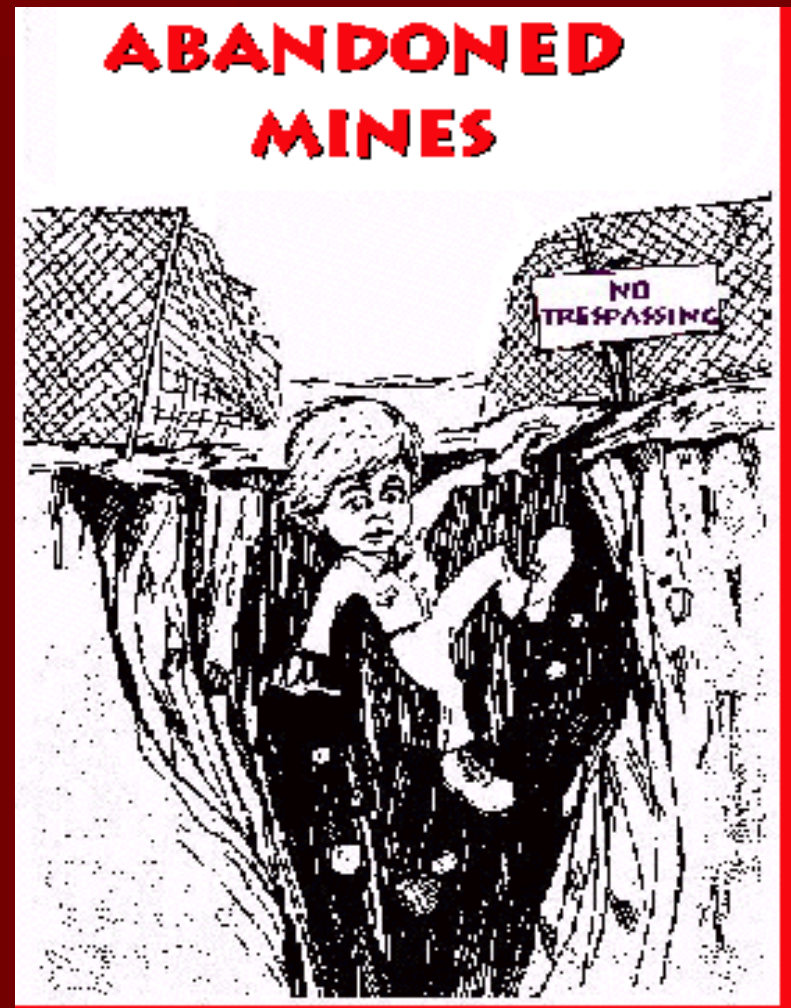


# Ohio Man Rescued from Gravel Pit



# HIDDEN DANGERS

**Stay Away** from  
Abandoned Mine  
Openings!



# ABANDONED MINE OPENING

This mine shaft may be hundreds of feet deep!



# SHAFT MINE OPENING



VERTICAL DROP

CAN BE VERY DEEP

*Stay Away!*

# Huuuuuge Opening!





**FENCES DON'T ALWAYS  
KEEP PEOPLE OUT...**





**BUT LOOK WHAT AWAITS  
THE TRESPASSER!**



**THIS MINE IS SEALED,  
BUT JUST BARELY!**



# SIGNS: There for a reason





# Empty Buildings are Dangerous

- They can collapse
- Broken glass is everywhere
- Explosives can be detonated
- There are electrical hazards





# SLOPE MINE OPENING

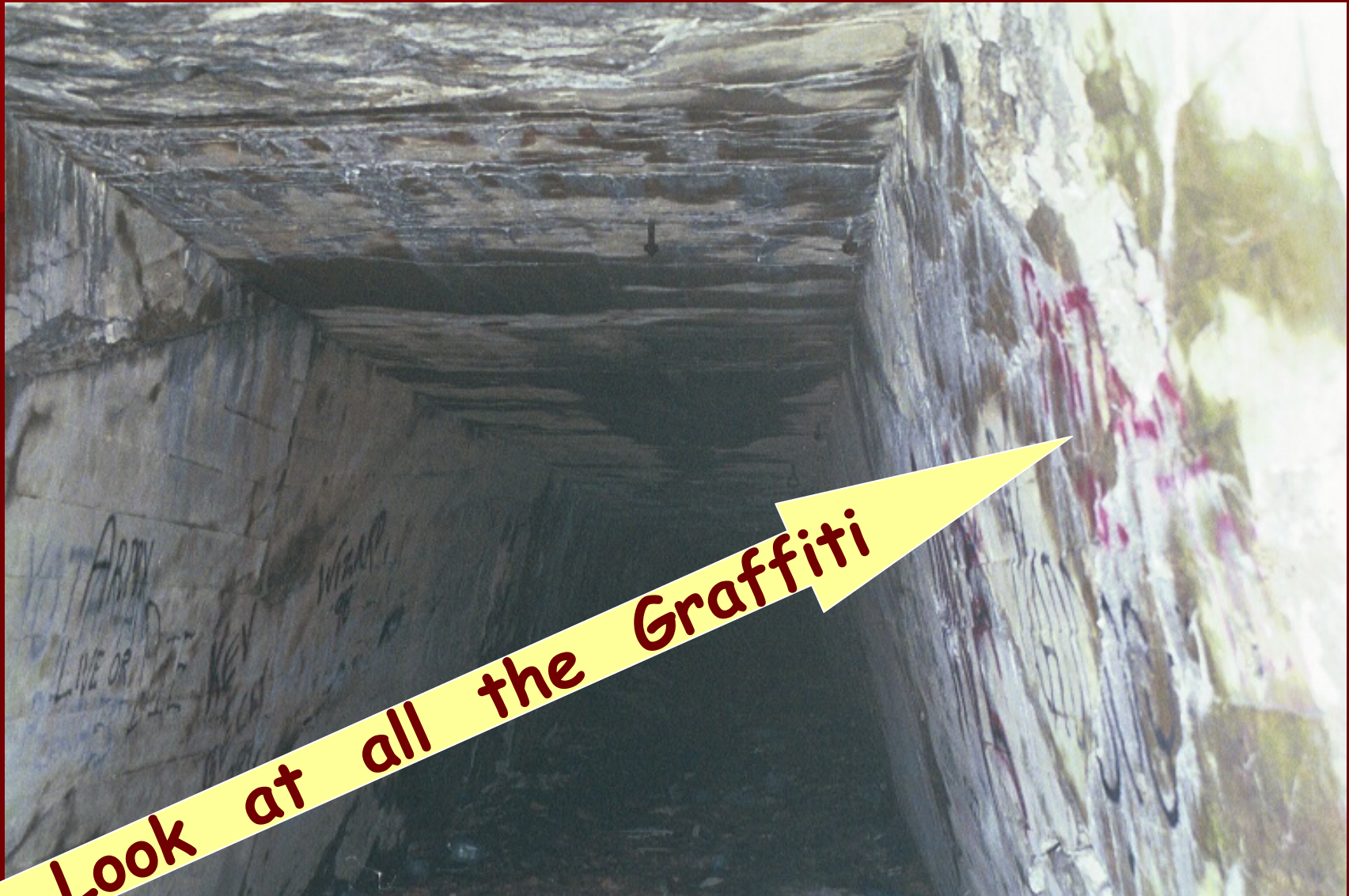


**Stay Away!**









**Look at all the Graffiti**

# DRIFT MINE OPENING



Some mine openings are  
easily seen...

Others may be hidden by  
plants or rocks!





# OPEN MINE SHAFT



# HIDDEN MINE OPENING



Where's  
the  
mine?

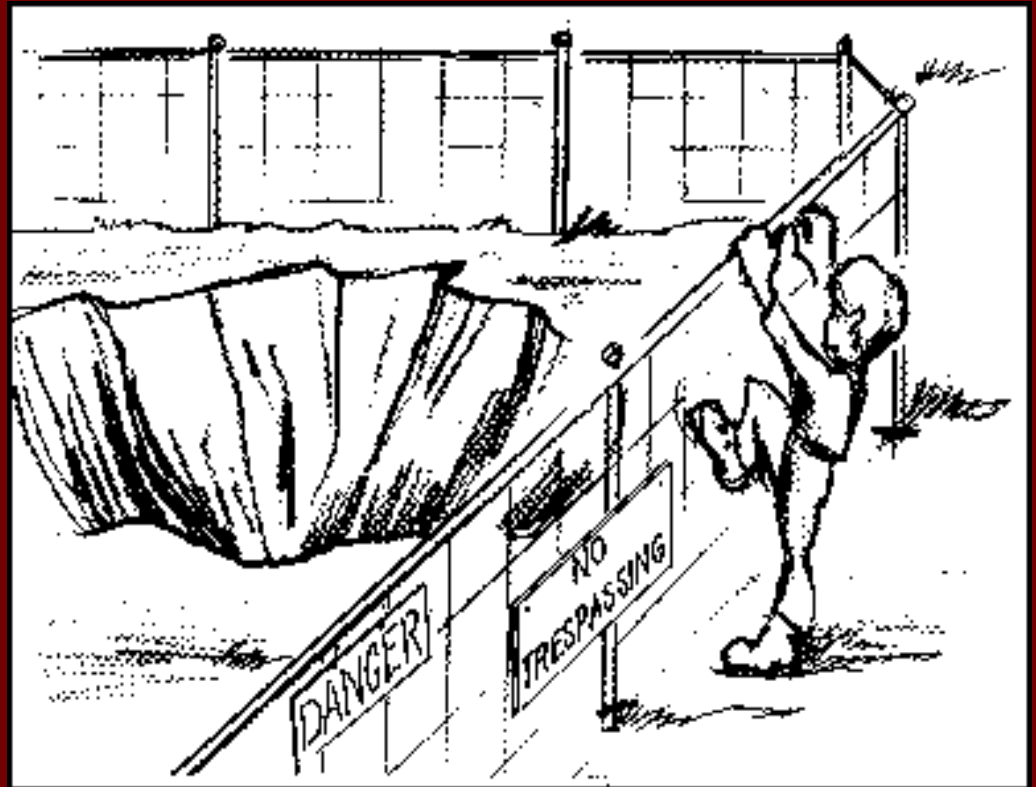






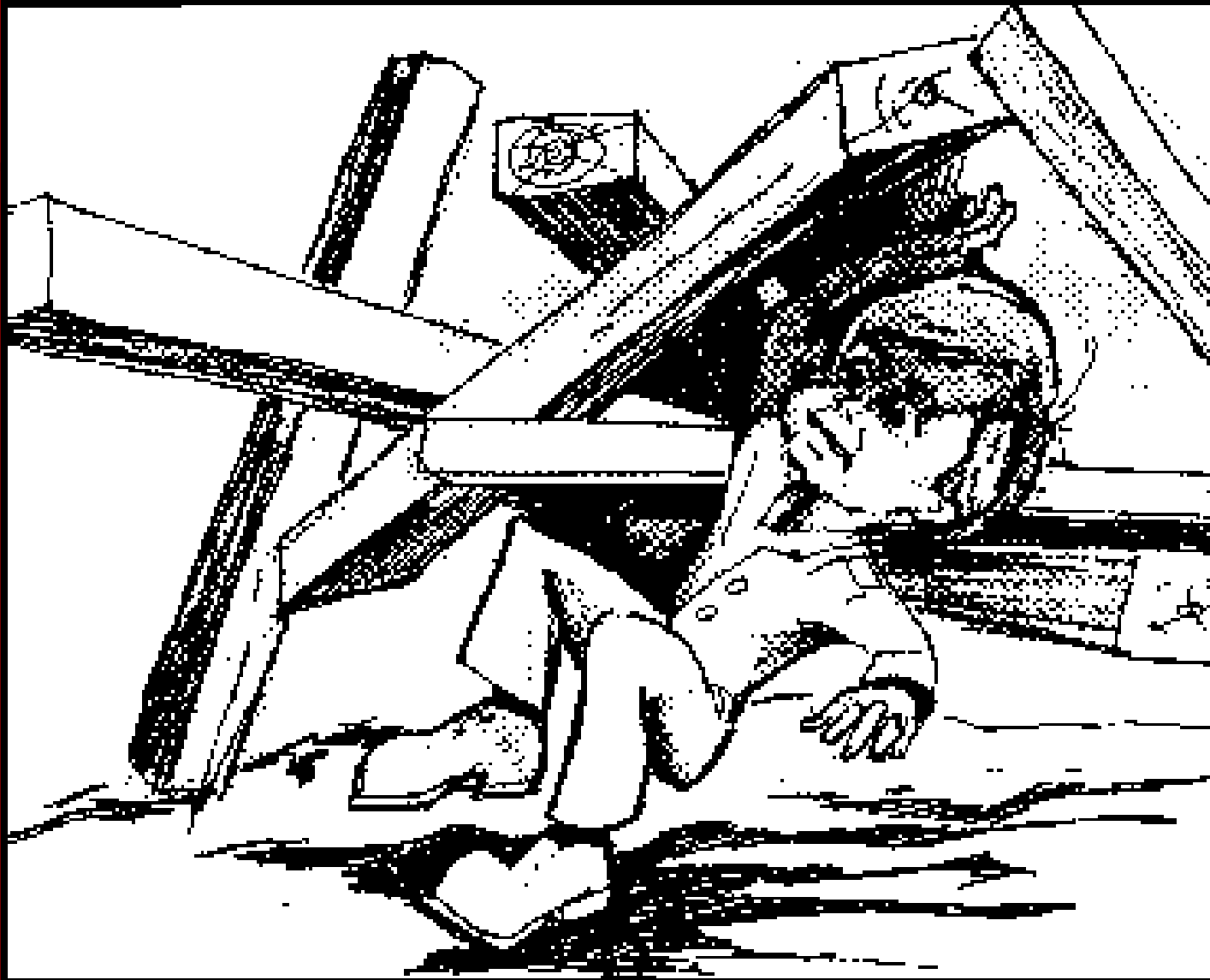
# BE WISE! STAY AWAY!

- ✓ Ground Around Mines may be Weak
- ✓ Vibrations from Walking or Speaking may cause a Cave-in



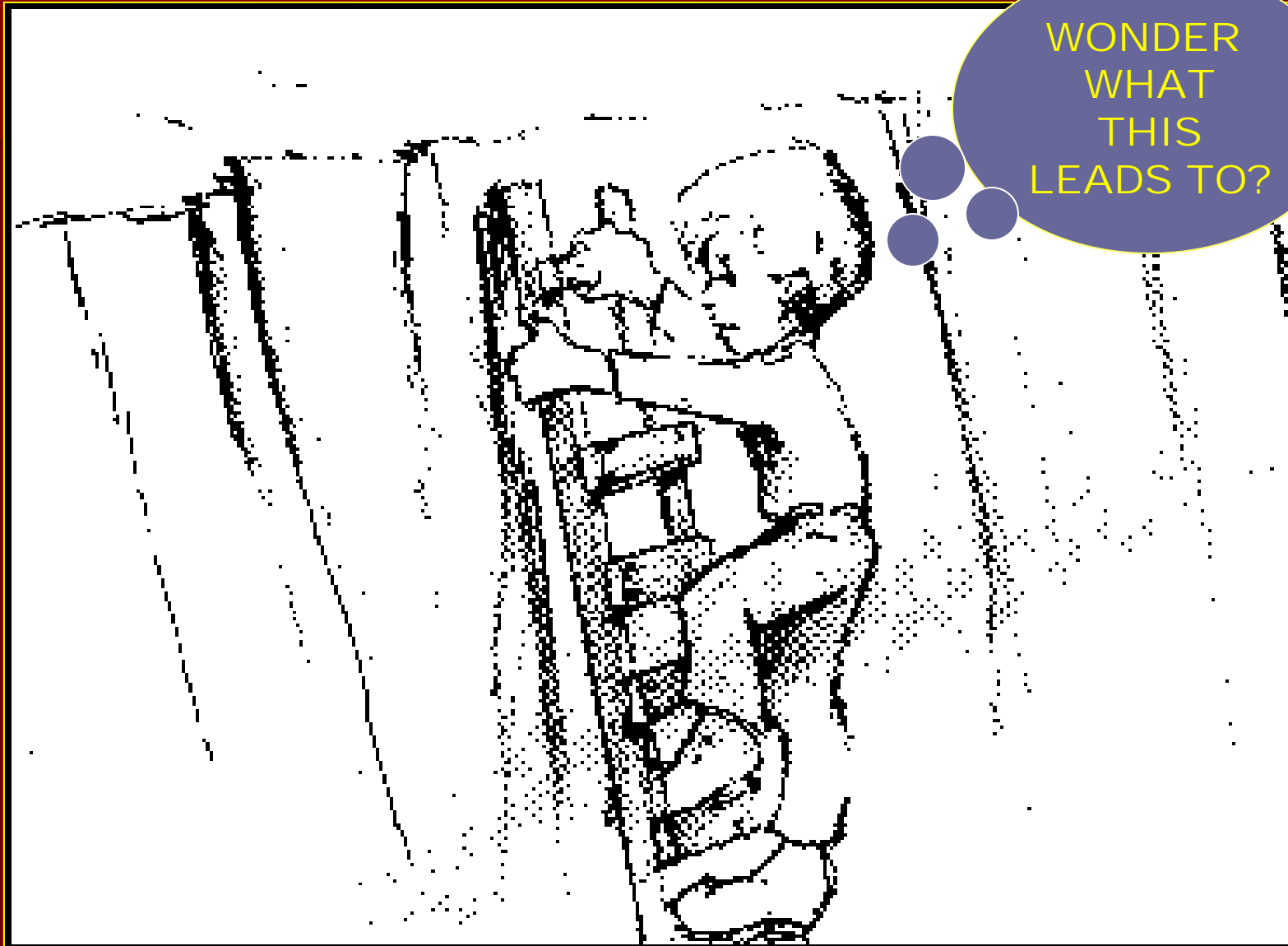


# ROTTEN TIMBERS





# BROKEN OR UNSTABLE LADDERS



**How  
Badly  
Do  
You  
Want  
to  
Find  
Out?**







# MISFIRED EXPLOSIVES



## EXPLOSIVES and BLASTING CAPS

Often Found  
Around  
Abandoned  
Mine Openings

# EXPLOSIVES & BLASTING CAPS

- Deteriorate with Age
- **Do Not Touch** - They can go off!
- Alert the Sheriff's Department

FROM THIS ...



..... TO THIS!



# STANDING POOLS OF WATER



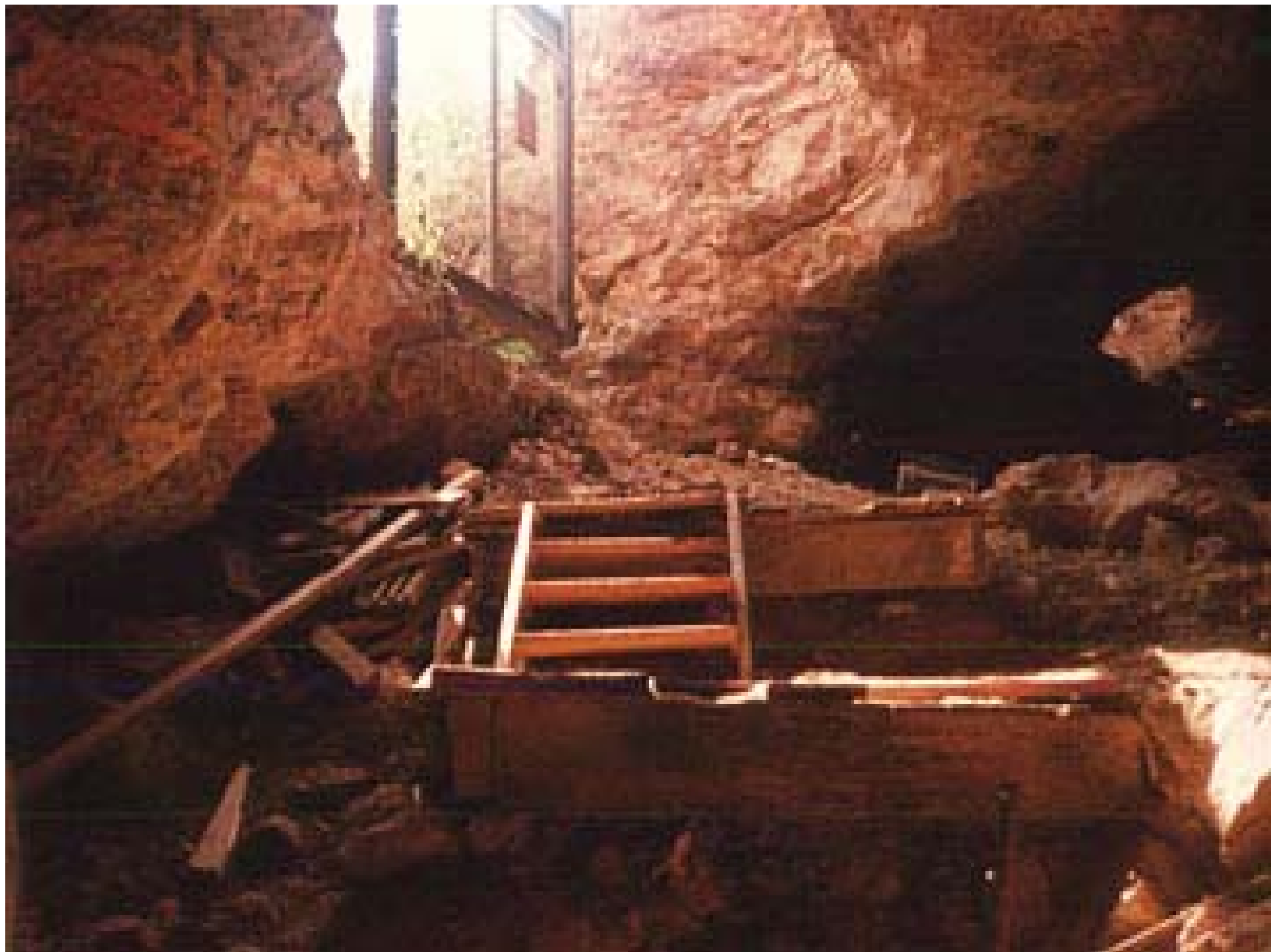


# UNDERGROUND TUNNELS



- ✓ *ROTTEN ROOF  
SUPPORT BEAMS*
- ✓ *DANGEROUS GASES*
- ✓ *POISONOUS SNAKES*
- ✓ *FLOODED SECTIONS*

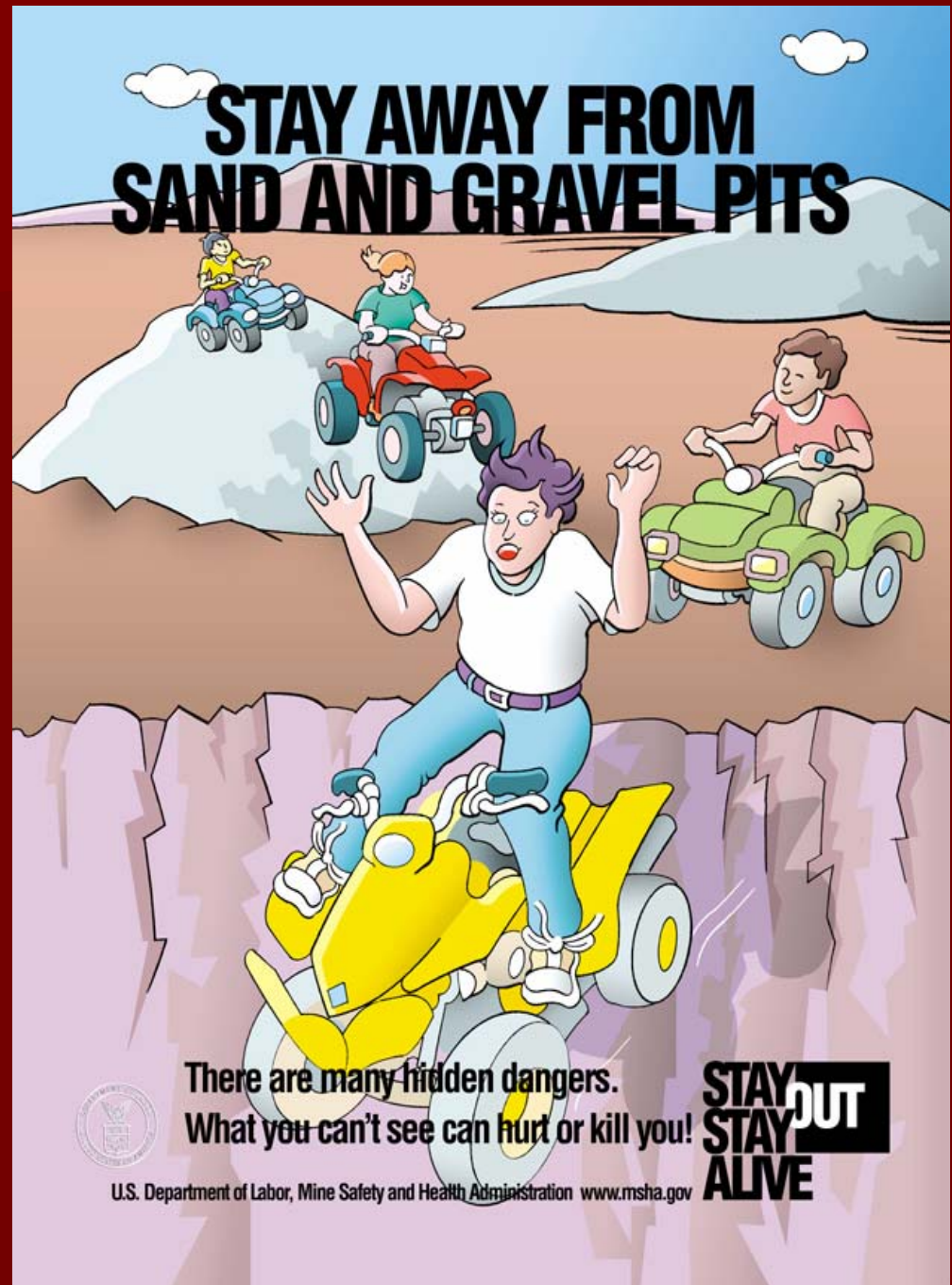








# SURFACE DANGERS

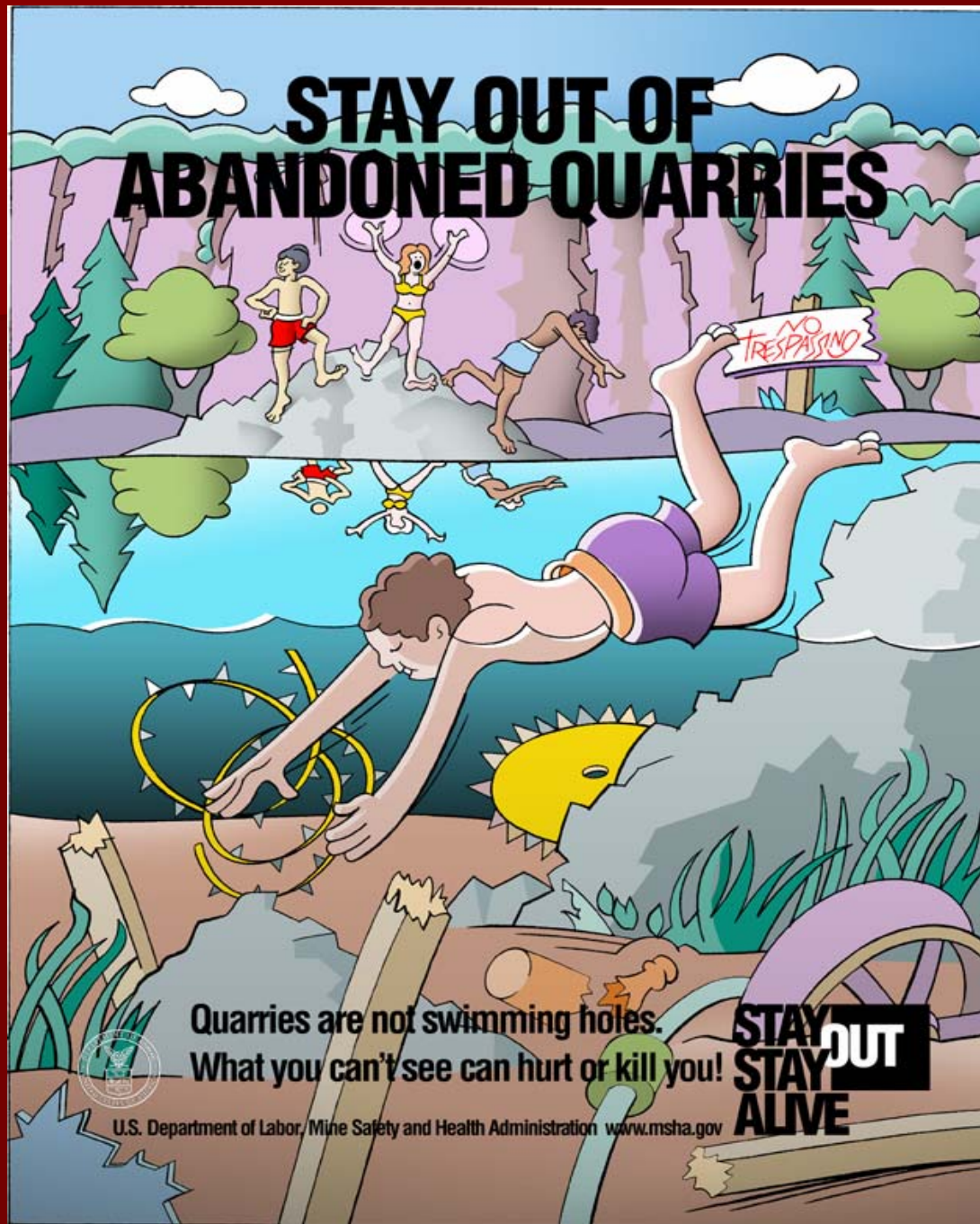




# UNSTABLE HIGHWALLS



# STAY OUT OF ABANDONED QUARRIES



Quarries are not swimming holes.  
What you can't see can hurt or kill you!

**STAY OUT**  
**STAY ALIVE**

U.S. Department of Labor, Mine Safety and Health Administration [www.msha.gov](http://www.msha.gov)



# DANGEROUS BODIES OF WATER





# NO PLACE FOR SWIMMERS





**No Lifeguards on Duty!**



# Deadly Pennsylvania Quarry



Since 1985 ... 8 drownings!



# A MOTHER'S GRIEF



# Ideas, but no solutions for quarry

## Federal official calls Funkhauser 'the most dangerous in the country'

By MARK SCOLFORD

*Dispatch/Sunday News*

Owners of a Peach Bottom Township property where eight people have died since 1985 in a former slate quarry didn't say much during yesterday's public forum on the problem swimming hole, but others volunteered their thoughts on how to improve safety there.

Glen Gayski, a partner in Slate Ridge Limited Partnership of Bel Air, Md., owners of the Funkhauser Quarry (historical documents suggest that previous news stories misspelled the quarry's name as Funkhouser) outside Delta, said they are still working on plans to convert the idyllic

property into a wildlife preserve.

Gayski and others with Slate Ridge left without making further comment.

**Residents concerned:** The 90-minute meeting in the Delta-Cardiff fire hall, held by the federal agency that oversees mine safety and health, brought out about 50 people to share ideas about the quarry, including state and county officials, neighbors, emergency workers, and the parents of two people who drowned in separate quarries on the same day in July.

Doug Farrington, president of the local fire company, said there's a reason why Funkhauser has seen a string of tragedies,

while the other quarries that run along the same ridge haven't had any problems.

All of the quarries are filled with water, and they are all scenic, he said. But only Funkhauser Quarry offers a convenient lakeside spot and a road that leads right to it.

"If you cover that platform up and they can't put that beach towel down, I guarantee you they won't come back," Farrington said.

The forum was led by Davitt McAteer, assistant secretary for mine safety and health with the U.S. Department of Labor, who wants to find a solution to the prob-

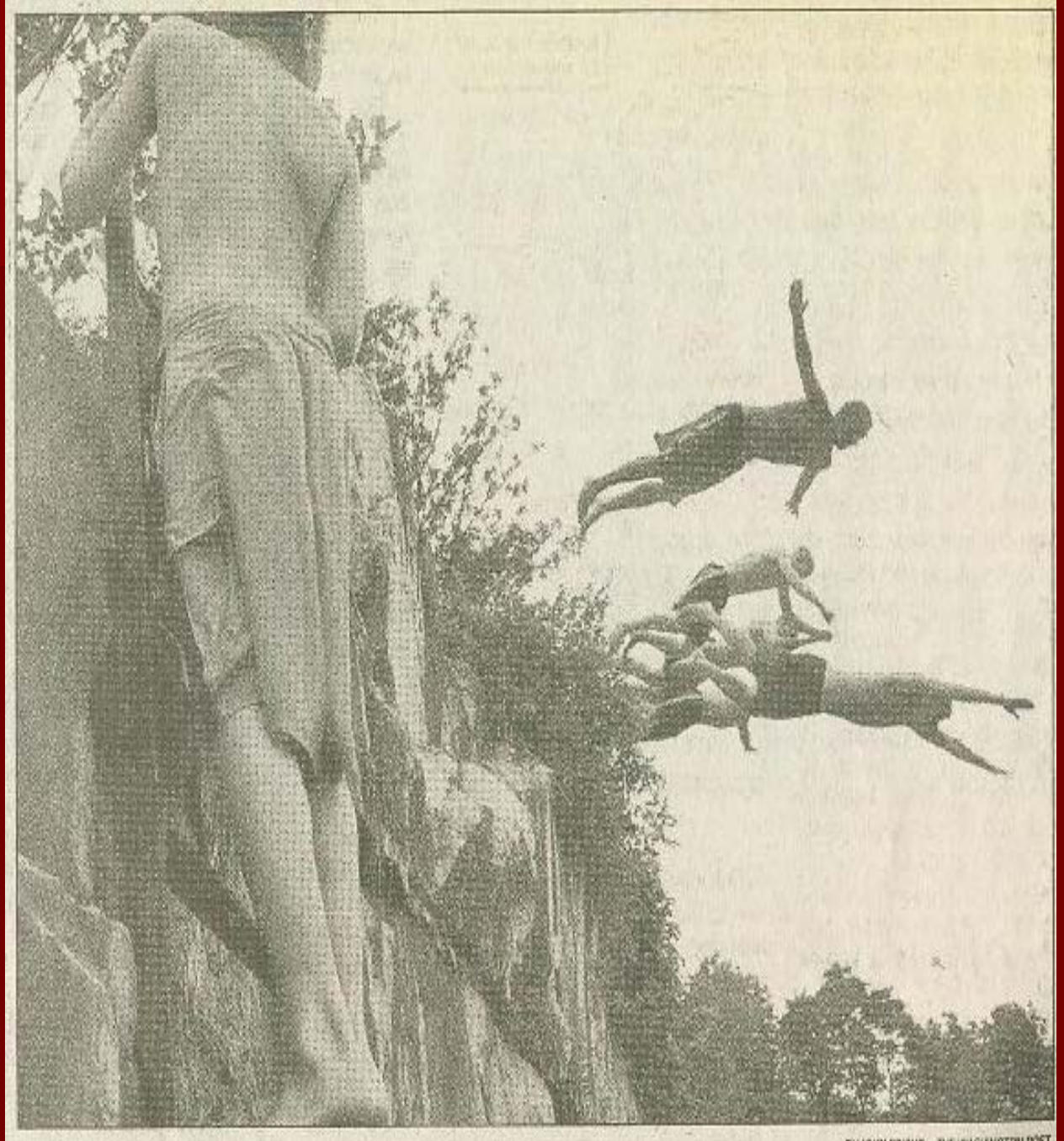
See **QUARRY/A4**

# DIVING

# CAN

**BE**

# DEADLY!





# SLUDGE DAM

Water on  
Top is 3'  
Deep

Quicksand-  
Like Sludge  
Underwater  
is 8-10'  
Deep



# SIGNS ARE FOR YOUR SAFETY

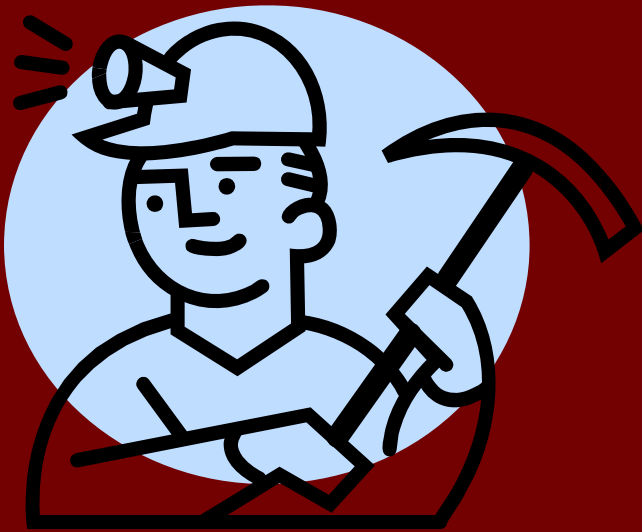


# What Part of "No Trespassing" Don't You Understand?





What Can  
You Do  
to Stay Safe???



**If You're Not Sure,  
STAY AWAY!**



# **MSHA's TOLL-FREE HOTLINE**

**Report Unsafe Access to  
Active or Abandoned Mines**

**1-800-499-1038**

# MSHA RESOURCES

[www.msha.gov](http://www.msha.gov)

202-693-9400

# Listen Carefully to MSHA Inspectors

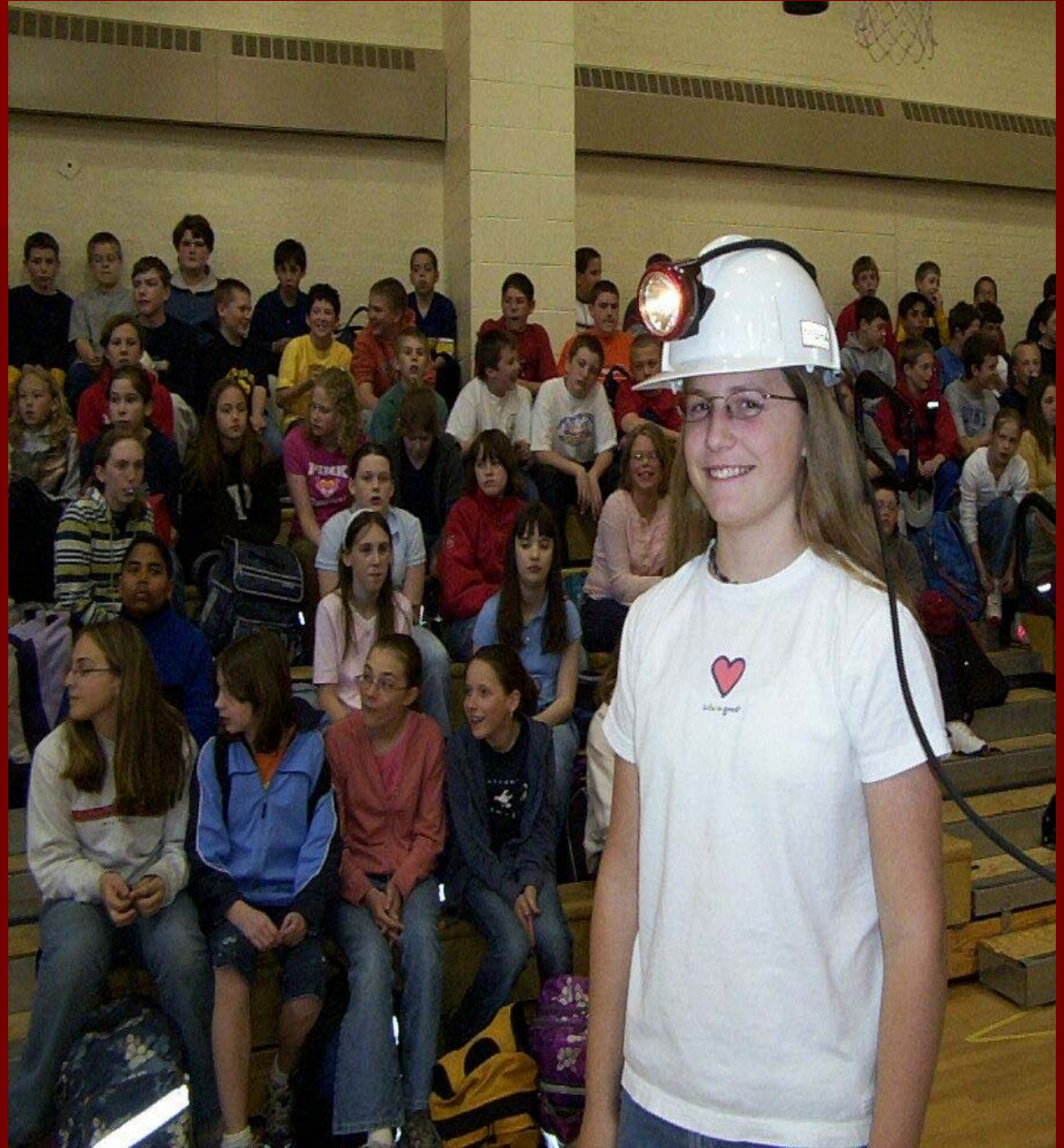




# Inspectors are Trained to Enter Mine Sites - You're Not!



**She May  
Have a  
Future in  
Mining!**



Remember...

**STAY OUT  
AND  
STAY ALIVE!**